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September 2001 **Journal on Educational Resources in Computing (JER)**

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42 [Designing a distributed access control processor for network service](#)

[Reiner Kraft](#)

November 2002 **XMLSEC '02: Proceedings of the 2002 ACM workshop on X**

Publisher: ACM [Request Permissions](#)

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The service oriented architecture (SOA) is gaining more momentum wit
programmable and machine accessible Web is the vision of many, and m
However, security is ...

Keywords: Web services, XML, access control, security

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43 [MIL primitives for querying a fragmented world](#)

[Peter A. Boncz](#), [Martin L. Kersten](#)

October 1999 **The VLDB Journal — The International Journal on Very**

Publisher: Springer-Verlag New York, Inc.


Full text available: [Pdf](#) (261.36 KB)

Additional Information: [full citation](#), [at](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 34, Downloa

In query-intensive database application areas, like decision support and
fragmentation have a significant performance advantage. In order to su
top of such a fragmented ...

Keywords: Database systems, Main-memory techniques, Query langua

 [Middleware For Building Adaptive Systems Via Configuration](#)
[Sanjai Narain, Ravichander Vaidyanathan, Stanley Moyer, William Stephen](#)
August 2001 **LCTES '01**: Proceedings of the ACM SIGPLAN workshop on L
systems

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf \(257.49 KB\)](#)

Additional Information: [full citation](#), [at](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 24, Downloa

COTS (commercial off-the-shelf) devices, including middleware compon
algorithms. Very large, adaptive systems can be created by simply integ
algorithms ...


Keywords: CORBA, QoS, configuration, diagnosis, middleware, network
virtual

Also published in:


August 2001 **OM '01**: Proceedings of the 2001 ACM SIGPLAN workshop on Opti
distributed systems

August 2001 **SIGPLAN Notices**

45 [DoS and authentication in wireless public access networks](#)

 [Daniel B. Faria, David R. Cheriton](#)
September 2002 **WISE '02**: Proceedings of the 1st ACM workshop on Wirele

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf \(272.24 KB\)](#)

Additional Information: [full citation](#), [at](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 126, Downl

As WEP has been shown to be vulnerable to multiple attacks, a huge eff
mechanism to be used in wireless installations. However, properties of t
perform multiple ...


Keywords: DoS, security, wireless networks

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October 1999 **Wireless Networks**, Volume 5 Issue 5


Publisher: Kluwer Academic Publishers

Full text available:  Pdf (180.10 KB)

Additional Information: [full citation](#), [reference](#)


Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 18, Downloads (24 Months): 18

4 Composable collaboration infrastructures based on programming pa

 Vassil Roussev, Prasun Dewan, Vibhor Jain

December 2000 **CSCW '00**: Proceedings of the 2000 ACM conference on Co

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (184.80 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 21, Downloads (24 Months): 21


In general, collaboration infrastructures have supported sharing of an o
However, current implementations assume an implicit binding between
system-defined abstractions. We present ...

5 Security enhanced mobile agents

 Vijay Varadharajan

November 2000 **CCS '00**: Proceedings of the 7th ACM conference on Compl

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (393.46 KB)

Additional Information: [full citation](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 77, Downloads (24 Months): 77


Keywords: mobile agents, secure agent based application, security mo

6 Informed content delivery across adaptive overlay networks

 John Byers, Jeffrey Considine, Michael Mitzenmacher, Stanislav Rost

August 2002 **SIGCOMM '02**: Proceedings of the 2002 conference on Applic
protocols for computer communications

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (245.12 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 46, Downloads (24 Months): 46

Overlay networks have emerged as a powerful and highly flexible metho
to optimize throughput of large transfers across richly connected, adapt
potential of collaborative transfers ...

Keywords: Bloom filter, collaboration, content delivery, digital fountain
summary, overlay, peer-to-peer, reconciliation

Also published in:

October 2002 **SIGCOMM Computer Communication Review** Volume 32 Issue

7 The utilization of artificial intelligence in a hybrid intrusion detection s

Martin Botha, Rossouw von Solms, Kent Perry, Edwin Loubser, George Yarr

September 2002 **SAI CSIT '02**: Proceedings of the 2002 annual research co
computer scientists and information technologists on Enab

Publisher: South African Institute for Computer Scientists and Information Techno

Full text available:  Pdf (161.05 KB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 99, Downlo

Computer security, and intrusion detection in particular, have become in environment, to ensure safe and trusted commerce between business p functioning. Various approaches ...

Keywords: fuzzy logic, intrusion detection, intrusion detection systems

8 [Language-specific make technology for the Java programming langu](#)

 [Mikhail Dmitriev](#)

November 2002 **OOPSLA '02:** Proceedings of the 17th ACM SIGPLAN confe systems, languages, and applications

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (238.19 KB)

[Additional Information:](#) [full citation](#), [abstra](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 59, Downlo

Keeping the code of a Java application consistent (code is consistent if a recompiled together without errors) prevents late linking errors, and the turnaround time. In this paper ...

Keywords: Java, dependency checking, development turnaround time,

Also published in:


November 2002 **SIGPLAN Notices** Volume 37 Issue 11

9 [Transformations for model checking distributed Java programs](#)

[Scott D. Stoller](#), [Yanhong A. Liu](#)

May 2001 **SPIN '01:** Proceedings of the 8th international SPIN workshop

Publisher: Springer-Verlag New York, Inc.


Full text available:  [Pdf](#) (108.43 KB)

[Additional Information:](#) [full citation](#), [abstra](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 14, Downloa


This paper describes three program transformations that extend the scc to include distributed programs, *i.e.*, multi-process programs. The trans into a single process, replace ...

10 [The design of a robust peer-to-peer system](#)

 [Rodrigo Rodrigues](#), [Barbara Liskov](#), [Liuba Shrira](#)

July 2002 **EW 10:** Proceedings of the 10th workshop on ACM SIGOPS Eu

Publisher: ACM

Full text available:  [Pdf](#) (142.52 KB)



[Additional Information:](#) [full citation](#), [abstra](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 63, Downloa


Peer-to-peer (P2P) overlay networks have recently become one of the h networks bring with them the promise of harnessing idle storage and ne that voluntarily join the system; self-configuration ...

11 [Deferring trust in fluid replication](#)

[Brian D. Noble](#), [Ben Fleis](#), [Landon P. Cox](#)




-  September 2000 **EW 9: Proceedings of the 9th workshop on ACM SIGOPS E challenges for the operating system**
Publisher: ACM
 Full text available:  [Pdf \(94.01 KB\)](#) Additional Information: [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 11, Downloads (24 Months): 11

Mobile nodes rely on external services to provide safety, sharing, and as mobile nodes move through the networking infrastructure, the costs of replication allows mobile clients to ...

- 12** [An architecture for secure wide-area service discovery](#)
 Todd D. Hodes, Steven E. Czerwinski, Ben Y. Zhao, Anthony D. Joseph, Ra March 2002 **Wireless Networks**, Volume 8 Issue 2/3
Publisher: Kluwer Academic Publishers
 Full text available:  [Pdf \(365.68 KB\)](#) Additional Information: [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 57, Downloads (24 Months): 57



The widespread deployment of inexpensive communications technology networking infrastructure, and network-enabled end devices poses an ir locate a particular network service or device ...

Keywords: location services, name lookup, network protocols, service

- 13** [The SecureRing group communication system](#)
 Kim Potter Kihstrom, L. E. Moser, P. M. Melliar-Smith November 2001 **Transactions on Information and System Security (T**
Publisher: ACM  [Request Permissions](#)
 Full text available:  [Pdf \(1.03 MB\)](#) Additional Information: [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 55, Downloads (24 Months): 55

Secure reliable group communication protocols can facilitate the develop that are able to remain correct and reliable despite intrusions that cause malicious manner. However, ...


Keywords: Byzantine faults, group communication, intrusion, partial sy survivability

- 14** [Towards a taxonomy of software connectors](#)
 Nikunj B. Mehta, Nenad Medvidovic, Sandeep Phadke June 2000 **ICSE '00: Proceedings of the 22nd international conference on**
Publisher: ACM
 Full text available:  [Pdf \(184.27 KB\)](#) Additional Information: [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 191, Downloads (24 Months): 191

Software systems of today are frequently composed from prefabricated, complex functionality and engage in complex interactions. Existing rese has mostly focused on component structure, ...

Keywords: classification, software architecture, software connector, ta

15 [A secure multicast protocol with copyright protection](#)

 [Hao-hua Chu](#), [Lintian Qiao](#), [Klara Nahrstedt](#), [Hua Wang](#), [Ritesh Jain](#)

April 2002 **SI GCOMM Computer Communication Review** , Volume 32 Iss

Publisher: ACM

Full text available:  [Pdf](#) (301.97 KB)


Additional Information: [full citation](#), [abstra](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 108, Downlo

We present a simple, efficient, and secure multicast protocol with copyr network environment. There is a wide variety of multimedia applications: multicast protocol, e.g., the ...


Keywords: copyright protection, key distribution, multicast security, w

16 [Unlinkable serial transactions: protocols and applications](#)

 [Stuart G. Stubblebine](#), [Paul F. Syverson](#), [David M. Goldschlag](#)

November 1999 **Transactions on Information and System Security (TI**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (184.87 KB)


Additional Information: [full citation](#), [abstra](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 67, Downloa

We present a protocol for unlinkable serial transactions suitable for a va services. It is the first protocol to use cryptographic blinding to enable s prevents the service from tracking ...

Keywords: anonymity, blinding, cryptographic protocols, unlinkable seri

17 [A survey of rollback-recovery protocols in message-passing systems](#)

 [E. N. \(Mootaz\) Einozahy](#), [Lorenzo Alvisi](#), [Yi-Min Wang](#), [David B. Johnson](#)

September 2002 **Computing Surveys (CSUR)** , Volume 34 Issue 3

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (549.68 KB)

Additional Information: [full citation](#), [abstra](#)

Bibliometrics: Downloads (6 Weeks): 58, Downloads (12 Months): 543, Downl

This survey covers rollback-recovery techniques that do not require spe of the survey we classify rollback-recovery protocols into *checkpoint-ba* protocols ...

Keywords: message logging, rollback-recovery

18 [ObjectGlobe: Ubiquitous query processing on the Internet](#)

[R. Braumandl](#), [M. Keidl](#), [A. Kemper](#), [D. Kossmann](#), [A. Kreutz](#), [S. Seltsam](#),

August 2001 **The VLDB Journal — The International Journal on Very I**

Publisher: Springer-Verlag New York, Inc.

Full text available:  [Pdf](#) (251.44 KB)

Additional Information: [full citation](#), [abstra](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 65, Download

We present the design of ObjectGlobe, a distributed and open query processing data is published on the Internet via Web servers which have, if at all, various capabilities. The goal of the ObjectGlobe ...

Keywords: Cycle-, function- and data provider, Distributed query processing service, Query optimization, Security

19 [A security model for distributed computing](#)

Iliya K. Georgiev, Ivo I. Georgiev

October 2001 **Journal of Computing Sciences in Colleges**, Volume 17 Issue


Publisher: Consortium for Computing Sciences in Colleges

Full text available:  [Pdf](#) (47.43 KB) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 107, Download

This paper presents a multi-tier model for secure computing as a teaching environment is based on establishing the trustworthiness and role of each component in the environment: trusted users, trusted servers, ...

20 [Practical byzantine fault tolerance and proactive recovery](#)

 Miguel Castro, Barbara Liskov

November 2002 **Transactions on Computer Systems (TOCS)**, Volume 20 Issue

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (1.63 MB) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 365, Download

Our growing reliance on online services accessible on the Internet demands that they provide correct service without interruptions. Software bugs, operator error are a major cause of service interruptions ...

Keywords: Byzantine fault tolerance, asynchronous systems, proactive state transfer

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[Marc Waldman, David Mazières](#)

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Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 60, Downloa

We describe the design of a censorship-resistant system that employs a published documents are dependent on the blocks of previously publish-
entanglement. Entanglement ...

22 [Trust and traceability in electronic commerce](#)

[Dennis D. Steinauer, Shukri A. Wakid, Stanley Rasberry](#)

September 1997 **StandardView**, Volume 5 Issue 3

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (46.16 KB)

Additional Information: [full citation](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 63, Downlo

23 [COCA: A secure distributed online certification authority](#)

[Lidong Zhou, Fred B. Schneider, Robbert Van Renesse](#)

November 2002 **Transactions on Computer Systems (TOCS)**, Volume 20 I

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (448.28 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 126, Downl

COCA is a fault-tolerant and secure online certification authority that ha
network and in the Internet. Extremely weak assumptions characterize
execute correctly: no ...

Keywords: Byzantine quorum systems, Certification authority, denial o
infrastructure, threshold cryptography

24

[On-the-fly web content integrity check boosts users' confidence](#)





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-  Soroush Sedaghat, Josef Pieprzyk, Ehsan Vossough
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Publisher: ACM  [Request Permissions](#)
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Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 80, Downlo

Malicious attacks on Web servers by intruders and hackers are prime co sites, as well as users who access them.

- 25 Law-governed interaction: a coordination and control mechanism for
 Naftaly H. Minsky, Victoria Ungureanu
July 2000 **Transactions on Software Engineering and Methodology**
Publisher: ACM  [Request Permissions](#)
Full text available:  [Pdf](#) (792.05 KB) Additional Information: [full citation](#), [abs](#)
Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 66, Downlo




Software technology is undergoing a transition form monolithic systems design, into conglomerates of semiautonomous, heterogeneous, and inc and managed by different ...

Keywords: coordination of heterogeneous agents, policy enforcement,

- 26 Public-key cryptography and password protocols
 Shai Halevi, Hugo Krawczyk
August 1999 **Transactions on Information and System Security (TIS)**
Publisher: ACM  [Request Permissions](#)
Full text available:  [Pdf](#) (275.84 KB) Additional Information: [full citation](#), [abs](#)
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We study protocols for strong authentication and key exchange in asym server possesses ~ a pair of private and public keys while the client has its authentication key. ...

Keywords: dictionary attacks, hand-held certificates, key exchange, pa protocols

- 27 Specification-based anomaly detection: a new approach for detecting
 R. Sekar, A. Gupta, J. Frullo, T. Shanbhag, A. Tiwari, H. Yang, S. Zhou
November 2002 **CCS '02: Proceedings of the 9th ACM conference on Comput**
Publisher: ACM  [Request Permissions](#)
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Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 202, Downl

Unlike signature or misuse based intrusion detection techniques, anoma attacks. However, the use of anomaly detection in practice is hampered based techniques have ...

Keywords: anomaly detection, intrusion detection, network monitoring

- 28 [On secure and pseudonymous client-relationships with multiple serv](#)
 [Eran Gabber, Phillip B. Gibbons, David M. Kristol, Yossi Matias, Alain Mayer](#)
 November 1999 **Transactions on Information and System Security (TI**

Publisher: ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (161.56 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 50, Downloa


This paper introduces a cryptographic engine, Janus, which assists clien
 pseudonymous relationships with multiple servers. The setting is such tl
 corporate intranet, ...

Keywords: Janus function, anonymity, mailbox, persistent relationship

- 29 [OceanStore: an architecture for global-scale persistent storage](#)
 [John Kubiatowicz, David Bindel, Yan Chen, Steven Czerwinski, Patrick Eato](#)
 December 2000 **ASPLOS-IX: Proceedings of the ninth international confere**

languages and operating systems

Publisher: ACM  [Request Permissions](#)

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OceanStore is a utility infrastructure designed to span the globe and pro
 information. Since this infrastructure is comprised of untrusted servers,
 cryptographic techniques. ...


Also published in:

December 2000 **SIGARCH Computer Architecture News** Volume 28 Issue 5

December 2000 **SIGOPS Operating Systems Review** Volume 34 Issue 5

- 30 [Efficient, DoS-resistant, secure key exchange for internet protocols](#)
 [William Aiello, Steven M. Bellovin, Matt Blaze, John Ioannidis, Omer Reingc](#)
 November 2002 **CCS '02: Proceedings of the 9th ACM conference on Compu**

Publisher: ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (118.52 KB)

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Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 73, Downloa

We describe JFK, a new key exchange protocol, primarily designed for u
 efficient, and secure; we sketch a proof of the latter property. JFK also l
 that permit ...

Keywords: cryptography, denial of service attacks

- 31 [Secure program partitioning](#)
 [Steve Zdancewic, Lantian Zheng, Nathaniel Nystrom, Andrew C. Myers](#)
 August 2002 **Transactions on Computer Systems (TOCS)** , Volume 20 Issi

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (497.12 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 96, Download

This paper presents secure program partitioning, a language-based technique for secure computation in distributed systems containing mutually untrusted hosts expressed by annotating ...

Keywords: Confidentiality, declassification, distributed systems, downloading security policies, type systems

32 [Securing the global, remote, mobile user](#)

Walt Curtis, Lori Sinton

March 1999 **International Journal of Network Management**, Volume 9

Publisher: John Wiley & Sons, Inc.

Full text available:  [Pdf](#) (982.14 KB)

Additional Information: [full citation](#), [abs](#)


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 4, Download

Electronic commerce is inevitable and will reshape our lives, but before realized, it will be necessary to secure your enterprise against outside attacks and controls ...

33 [The architecture and performance of security protocols in the ensemble: diamonds to guard the castle](#)

August 2001 **Transactions on Information and System Security (TISSEC)**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (418.73 KB)


Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 79, Download

Ensemble is a Group Communication System built at Cornell and the Heuristics process groups within which scalable reliable fifo-ordered multicast and The system ...

Keywords: Group communication, security

34 [OceanStore: an architecture for global-scale persistent storage](#)

 John Kubiatowicz, David Bindel, Yan Chen, Steven Ozerwinski, Patrick Eato, Rhea, Hakim Weatherspoon, Westley Weimer, Chris Wells, Ben Zhao

November 2000 **SI GLAN Notices**, Volume 35 Issue 11

Publisher: ACM

Full text available:  [Pdf](#) (1.47 MB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 65, Download

OceanStore is a utility infrastructure designed to span the globe and provide information. Since this infrastructure is comprised of untrusted servers, cryptographic techniques. ...

35 [Parametric polymorphism in Java: an approach to translation based](#)

 [Mirko Viroli, Antonio Natali](#)
October 2000 **OOPSLA '00**: Proceedings of the 15th ACM SIGPLAN conference on programming languages, and applications

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (277.16 KB)

Additional Information: [full citation](#), [abstract](#)


Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 53, Downloads (All Time): 10

The introduction of parametric polymorphism in Java with translation at compile time, allowing the definition of extensions of Java on top of the existing language. Furthermore, ...

Also published in:


October 2000 **SIGPLAN Notices** Volume 35 Issue 10

36 [Using GSM to enhance e-commerce security](#)

 [Vorapranee Khu-smith, Chris J. Mitchell](#)

September 2002 **WMC '02**: Proceedings of the 2nd international workshop on Web-based Mobile Computing

Publisher: ACM

Full text available:  [Pdf](#) (177.48 KB)

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Today, an e-commerce transaction is typically protected using SSL/TLS. However, the use of SSL/TLS@. These include that of information being stored in clear text and lack of user authentication. ...

Keywords: E-commerce security, GSM security, mobile or Internet payment

37 [Summary cache: a scalable wide-area web cache sharing protocol](#)

[Li Fan, Pei Cao, Jussara Almeida, Andrei Z. Broder](#)

June 2000 **IEEE/ ACM Transactions on Networking (TON)**, Volume 8 Issue 3

Publisher: IEEE Press


Full text available:  [Pdf](#) (220.29 KB)

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Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 189, Downloads (All Time): 10


Keywords: ICP, Web cache, Web proxy, bloom filter, cache sharing

38 [A reputation-based approach for choosing reliable resources in peer-to-peer networks](#)

 [Ernesto Damiani, De Capitani di Vimercati, Stefano Paraboschi, Pierangela](#)

November 2002 **CCS '02**: Proceedings of the 9th ACM conference on Computer Security

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Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 294, Downloads (All Time): 10

Peer-to-peer (P2P) applications have seen an enormous success, and are now used by tens of millions of users. A feature that significantly contributes to the success is anonymity. However, anonymity ...


Keywords: peer-to-peer network, polling protocol, reputation-based system

39 [Semantic caching of Web queries](#)

[Boris Chidlovskii](#), [Uwe M. Borghoff](#)

March 2000 **The VLDB Journal — The International Journal on Very**

Publisher: Springer-Verlag New York, Inc.

Full text available:  [Pdf](#) (235.09 KB)


Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 54, Download

In meta-searchers accessing distributed Web-based information repository, query processing requires an appropriate caching mechanism. Unfortunately, existing caching mechanisms ...


Keywords: Experiments, Query algorithms, Region containment, Semantic

40 [Validating a Web service security abstraction by typing](#)

 [Andrew D. Gordon](#), [Riccardo Pucella](#)

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An XML web service is, to a first approximation, an RPC service in which SOAP envelopes, and transported over HTTP. We consider the problem of SOAP-level, rather ...

Keywords: Web services, authentication, remote procedure call, type s

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